ABSTRACT OF THE DISCLOSURE.

A method and an apparatus for measuring and classifying skin anomalies by taking at least one digital image of the anomaly and a digital color reference image of healthy skin in the vicinity of the anomaly, computing surface measurement data including three-dimensional coordinates and color values scaled to the reference image of the anomaly and classifying the anomaly in predetermined categories on the basis of the surface measurement data.

LEGEND TO SINGLE DRAWING:

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|---|---|
| I | First Process Step |
| II | Second Process Step |
| III | Third Process Step |
| 1 | Physician |
| 2 | Measuring Head |
| 3 | Digital Images |
| 4 | Pattern Projector |
| 5 | Digital Color Cameras |
| 6 | Ring of Reference Colors |
| 7 | Skin Anomaly |
| 8 | Patient Data Base |
| 9 | Relevant Patient-Related Data |
| 10 | Video Monitor |
| 10a | Expert Consultation |
| 10b | Video Conferencing |
| 11 | Local Computer |
| 12 | Digital Images |
| 13 | Surface Measurement Data |
| 14 | Neuronal Net |
| 15 | First Classification Step |
| 15a | Benign |
| 15b | Suspicious |
| 15c | Malignant |
| 16 | optional: Telematic |
| 17 | Central Computer |
| 18 | Neuronal Net |
| 18a | Further Classification Process |
| 18b | Selection |
| 19 | External Data BAse |
| 20 | Second Data Base |
| 21 | Additional Data |
| 22 | Evaluated Images |
| 23 | Select Comparative Data |
| 23a | Evaluated Images |
| 24b | optional: Additional Data |